Yuhao (Henry) Zhou
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Education:

University of Toronto, Department of Applied Science and Engineering
Electrical and Computer Engineering Program   September, 2014 - Present
- Cumulative GPA: 3.92 / 4.00
- Dean's Honour List: 1st Year and 2nd Year

Online Education
Coursera   February 2015 - Present
- Model Thinking (University of Michigan)
- Machine Learning by Andrew Ng (Stanford University)
- Cryptography I (Stanford University)

Work Experience:

Baidu, Inc., Intern
Technical Department of Education Platform   August, 2016
- Participated in the marketing research. Reviewed the user experience of various online education platform such as chuanke.baidu.com, ke.qq.com and coursera.org and wrote reports.

Deepcool Industries Co., Ltd, Translator and Guide
Overseas Marketing Department   June, 2016
- Visited business partner from Newegg.com in Los Angeles, worked as a translator and a local guide. Helped to examine the quality of Deepcool liquid CPU cooler.
- Learnt how online retailers operate and the management of an overseas warehouse.

Oracle Corporation, Intern
Infrastructure Team of Cloud Computing, R&D Department   June, 2015 - July, 2015
- Managed the resources and services of the virtual machines using Oracle's integrated tools.
- Exposure to the architecture of computer networking, database and cloud computing.

Huawei Technologies, Intern
Automated Testing Team   May, 2015 - June, 2015
- Utilized an integrated environment to transplant automated testing scripts from previous phone models to test Huawei Ascend Series' functionality and GUI layout.
- Familiarized with Android's operating system and its GUI layout.

Coursera.org, Subtitle Reviewer and Translator
Global Translator Community   April, 2015 - Present
- Collaborated with a team of 30 people to review the translation of the course Calculus One to ensure the quality of the translation. Served as one of the five final reviewers.
- Currently working on the translation of the course Cryptography I by Dan Boneh.

Personal Projects

Raspberry Pi Project (Debian Linux)
- Set up local network file transfer server using Samba. Allow transferring files between different devices and platforms. Mainly using it as a media streaming service provider.
- Set up the Raspberry Pi as a web-server using nginx. Allowing access to my personal website. For a more stable connection, please visit: https://henryzhou7.github.io/my_info.html

Coursera Projects
- Codes of the programming assignments. Detailed introduction can be found in the Github link.
- Machine Learning: https://github.com/HenryZhou7/machine_learning_coursera.git

Price Watcher (Python Program)
- A command-line interface program that helps to monitor the price of products from the internet. It will alert you once an item on your wishlist is on sale. It was written in Python.
- Thriving to integrate a graphical user interface and eventually making it a Chrome extension.
- Source code on Github: https://github.com/HenryZhou7/price_watcher.git

IEEE Student Branch at University of Toronto
- Worked as a webmaster and volunteered in various activities/events.
- Collaborated on the beta website: http://ieee.utoronto.ca/wordpress/

Map Application
- Implemented the map application using C++ and the data of OSM. GUI was realised using X11.
- Source code on Github: https://github.com/HenryZhou7/Map-Application-Project.git

Calculator Robot with Handwriting Features (Assembly)
- Used LEGO and Nios-II architecture to design and implement a robot that can take arithmetic problem and write write down the results on paper.
- Source code on Github: https://github.com/HenryZhou7/Project-Calculator-Robot.git

Kill The Fly, Hardware Game (Verilog)
- Designed and implemented a hardware-based game running on DE1-SoC board. The game has a similar mechanism as whac-a-mole game.
- YouTube link demonstration: https://youtu.be/AU9jjgRejbk

Skills

Language: C++, Python, C, Octave/Matlab, HTML
Platforms: Mac OS, Windows, Linux
Tools: Xcode, Visual Studio, Netbeans, Microsoft Office

Extra: Swimming, Long-Distance Running, Basketball, Classical Music